

AMENDMENTS TO THE CLAIMS:

Claims 1-22 are canceled without prejudice or disclaimer. Claims 23-42 are added. The following is the status of the claims of the above-captioned application, as amended.

Claims 1-22 (Canceled)

Claim 23. (New.) A method for testing an enzyme of interest or screening a library of polypeptides for an enzyme of interest comprising measuring the colour of a second dye, wherein the enzyme of interest or library of polypeptides has been contacted with a solid media in the presence of a first substrate, one or more other enzymes and a first dye, and wherein a product of the chemical reaction between an enzyme of interest and the first substrate is a substrate for one of the other enzymes, and wherein the first dye is a substrate for one of the other enzymes, and wherein the product of the chemical reaction between the first dye and one of the other enzymes is a second dye, and wherein the colour of the first dye is different from the colour of the second dye.

Claim 24. (New.) The method according to claim 23, wherein a polymer capable of binding the second dye is also present.

Claim 25. (New.) The method according to claim 23, wherein the other enzymes comprise a peroxidase (E.C. 1.11.1.7).

Claim 26. (New.) The method according to claim 23, wherein the other enzymes further comprise an enzyme capable of producing hydrogen peroxide upon reaction with its substrate, e.g. a glucose oxidase (E.C. 1.1.3.4), a cellobiose oxidase (E.C. 1.1.3.25), an alcohol oxidase (E.C. 1.1.3.13), a galactose oxidase (E.C. 1.1.3.9) or a L-amino acid oxidase (E.C. 1.4.3.2).

Claim 27. (New.) The method according to claim 23, wherein the enzyme of interest is selected from the group consisting of: a glucoamylase (E.C. 3.2.1.3), a beta-glucosidase (E.C. 3.2.1.21), a pectinesterase (E.C. 3.1.1.11), a alpha-galactosidase (E.C. 3.2.1.22), a cellulose 1,4-beta-cellobiosidase (E.C. 3.2.1.91), a lactase (E.C. 3.2.1.108), a beta-galactofuranosidase and a carboxypeptidase A (E.C. 3.4.17.1).

Claim 28. (New.) The method according to claim 23, wherein the other enzymes further comprise a beta-glucosidase (E.C. 3.2.1.21).

Claim 29. (New.) The method according to claim 23, wherein the enzyme of interest is a

cellulase (E.C.3.2.1.4) or a cellulose 1,4-beta-cellobiosidase (E.C. 3.2.1.91).

Claim 30. (New.) The method according to claim 23, wherein the enzyme of interest is an enzyme for which a product of the chemical reaction between the enzyme of interest and a first substrate is hydrogen peroxide.

Claim 31. (New.) The method according to claim 30, wherein the enzyme of interest is selected from the group consisting of: a glucose oxidase (E.C. 1.1.3.4), a cellobiose oxidase (E.C. 1.1.3.25), an alcohol oxidase (E.C. 1.1.3.13), a galactose oxidase (E.C. 1.1.3.9) and a L-amino acid oxidase (E.C.1.4.3.2).

Claim 32. (New.) A method for testing a host cell or screening a library of host cells for expression of an enzyme of interest comprising measuring the colour of a second dye, wherein the host cell or library of host cells has been cultivated on or in a solid media in the presence of a first substrate, one or more other enzymes and a first dye, and wherein a product of the chemical reaction between the enzyme of interest and the first substrate is a substrate for one of the other enzymes, and wherein the first dye is a substrate for one of the other enzymes, and wherein the product of the chemical reaction between the first dye and one of the other enzyme is a second dye, and wherein the colour of the first dye is different from the colour of the second dye.

Claim 33. (New.) A method according to claim 32, wherein the method comprises the following steps:

- a) cultivating a host cell expressing the enzyme of interest or a library of host cells expressing a library of polypeptides on or in a solid media in the presence of a first substrate, one or more other enzymes and a first dye, wherein a product of the chemical reaction between the enzyme of interest and the first substrate is a substrate for one of the other enzymes, and wherein the first dye is a substrate for one of the other enzymes, and wherein the product of the chemical reaction between the first dye and one of the other enzymes is a second dye, and wherein the colour of the first dye is different from the colour of the second dye.
- b) measuring the colour of the second dye.

Claim 34. (New.) The method according to any of claim 32, wherein a polymer capable of binding the second dye is also present.

Claim 35. (New.) The method according to claim 32, wherein the polymer is carboxy methyl cellulose (CMC), chitin, chitosan, pectate, pectin or starch.

Claim 36. (New.) The method according to claim 32, wherein the other enzymes comprise a peroxidase (E.C. 1.11.1.7).

Claim 37. (New.) The method according to claim 32, wherein the other enzymes further comprise an enzyme capable of producing hydrogen peroxide upon reaction with its substrate, e.g. a glucose oxidase (E.C. 1.1.3.4), a cellobiose oxidase (E.C. 1.1.3.25), an alcohol oxidase (E.C. 1.1.3.13), a galactose oxidase (E.C. 1.1.3.9) or a L-amino acid oxidase (E.C. 1.4.3.2).

Claim 38. (New.) The method according to claim 32, wherein the enzyme of interest is selected from the group consisting of: a glucoamylase (E.C. 3.2.1.3), a beta-glucosidase (E.C. 3.2.1.21), a pectinesterase (E.C. 3.1.1.11), a alpha-galactosidase (E.C. 3.2.1.22), a cellulose 1,4-beta-cellobiosidase (E.C. 3.2.1.91), a lactase (E.C. 3.2.1.108), a beta-galactofuranosidase and a carboxypeptidase A (E.C. 3.4.17.1).

Claim 39. (New.) The method according to claim 32, wherein the other enzymes further comprise a beta-glucosidase (E.C. 3.2.1.21).

Claim 40. (New.) The method according to claim 32, wherein the enzyme of interest is a cellulase (E.C. 3.2.1.4) or a cellulose 1,4-beta-cellobiosidase (E.C. 3.2.1.91).

Claim 41. (New.) The method according to claim 32, wherein the enzyme of interest is an enzyme for which a product of the chemical reaction between the enzyme of interest and a first substrate is hydrogen peroxide.

Claim 42. (New.) The method according to claim 32, wherein the enzyme of interest is selected from the group consisting of: a glucose oxidase (E.C. 1.1.3.4), a cellobiose oxidase (E.C. 1.1.3.25), an alcohol oxidase (E.C. 1.1.3.13), a galactose oxidase (E.C. 1.1.3.9) and a L-amino acid oxidase (E.C. 1.4.3.2).